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Analyses	NORMS AFNOR	ASTM	I - P
Density	T.60.101	D-1298/	-
Octane (Research)	FD.07.028	D.908/	
Lead tetraethyl	M.07.014	D.526/	IP 96/
Distillation	M.07.002	D.86/	123/
Vapor Tension Reid	M.07.007	D.323/	69/
Actual Gum	M.07.004	D.381/	131/
Potential Gum	M.07.013	D.873/	138/
Induction Period	M.07.012	D.525/	40/
Sulphur Content (to the lamp)	M.07.031	D.1266/	107/
Corrosion at copper strip	M.07.015	D.130/	154/
Color saybolt (P Blanc)	M.07.003	D.156/	-
Doctor Test	M.07.029	D.484/	-
Sulphur Mercaptan	M.07.022	D.1219/	104/
Burning point	-	D.187/	10/
Total acidity	T.60.112	D.974/	139/
Flash point Abel	M.07.011	-	170/
Smoke point	M.07.028	D.1322/	57/
Luminometric Number	-	D.1740/	-
BTU	M.07.030	D.240/	12/
Crystallization Point	-	-	16/
Thermal stability	-	D.1668/	-
Water reaction	-	D.1094/	98/
Cinematic Viscosity	T.60.100	D.445/	71/
Aromatic	M.07.024	D.1319	156/
Viscosity (Redwood)	-	-	70/
Colors (other than P Blanc)	-	D.1500	17/
Cetane Number	-	D.975/	-
Sulphur Grote	T.60.108	D.1551/	63/
% Water	T.60.113	D.95/	74/
% Sediment	M.07.010	D.473/	53/
Ash	T.60.111	D.482/	4/
Flash Point (Pensky) Martin	M.07.019	D.93/	34/
Pour point	T.60.105	D.97/	15/

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DIESEL OIL

Characteristics		Value	Norms
Total acidity, mg/Koh/g	M.07.014 Max	3	T-60.112
Ash, % weight	M.07.002 Max	0.01	T-60.111
Color	M.07.007	Black	
Conradson	M.07.004 Max	0.5	T-60.116
Water, % vol	M.07.012		
Index of cetane	M.07.031 Max	0.05	T-60.113
Density at 28°C, Kg/l	M.07.015 Min	45	ASTM-D 975
Flash Point, PM, °C	M.07.003	0.800	T-60.101
Pour Point °C	M.07.029 Max	0.890	
Sediment, % weight	M.07.022 Min	+ 10	T-60.105
Sulphur content % weight	M.07.030	55	M-07.019
Viscosity at 100°F cst	M.07.024 Max	0.01	M-07.016
	T.60.108 Max	1.5	T-60.108
	T.60.113	9	T-60.100
Sediment	M.07.010		
	T.60.111		
	M.07.019		

FUEL OIL

Characteristics	T.60.105	Value	Norms
Water, % vol	Max	0.0.75	T-60.113
Density at 28°C Kg/l	Max	0.985	T-60.101
Pour Point, °C	Max	21 (*)	T-60.105
Flash Point, PM, °C		70-140	M-07.019
Sediment, % weight	Max	0.15	M-07.010
Sulphur content, % weight	Max	3	T-60.108
Viscosity Redwood No 1 at 37.8°C dry	Max	450	IP 70

(*) 24°C if the pumpability is interior to °C

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NAPHTHA (continued)

Characteristics		Value	Norms
Sulphur content %	Max	0.20	M-07.031
Thermal stability			
Differential preasure, bar	Max	0.10	
Coloration of tube	Max	3 CRC	
Tolerance in water			FS-3.251
Change of volume cm^3	Max	1	
Appearance interface	Max	1b	
Viscosity at 30°F (-34.4° C) cst	Max	15	T-60.100
	Min	45	

GAS OIL

Characteristics		Value	Norms
Acidity (strong) mg/KoH/g		Nil	T-60.112
Total acidity, mg/Koh/g	Max	0.5	T-60.112
Ash % weight	Max	0.01	T-60.111
Color	Max	3	ASTM-D 1.500
Distillation			
at 250°C % vol	Max	65	
at 360°C % vol	Min	85	T-60.100
Water, % vol	Max	0.05	T-60.113
Density at 28°C, Kg/l		0.800	T-60.101
		0.840	

FUEL OIL

Characteristics		Value	Norms
Cetane Index	Min	50	ASTM D 975
Pour Point, °C	Max	+10	T-60.105
Flash Point, PM °C	Max	55-120	M-07.019
Sediment, % weight	Max	0.01	T-07.010
Sulphur content	Max	1	T-60.108
Viscosity at 100 F cst	Max	1.6 - 5.5	T-60.100
	Max	450	IP 70

The pumpability is interior to °C

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(b)(1)
(b)(3)

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COUNTRY Cambodia

SUBJECT Characteristics of Products Produced at the Sihanoukville Refinery

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PLACE & DATE ACQ. BY SOURCE

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SOURCE

MOTOR GASOLINE

Characteristics		Value	Norms
Corrosion at copper strip 3 hrs at 50°C	Max	1.	M.07.015
Distillation			
10% evaporation °C	Max	70.	
50% -do-	Max	140.	
90% -do-	-do-	190	
Final Point -do-	-do-	205	
Residue, % volume	-do-	2.	
Actual gum mg/100 Cm^3	-do-	4.	M-07.004
Index of Octane (Research)	Min	83	FD.M-07.026
Density at 28°C Kg/l	Max	0.755	T-60.101
Odor		Commercial	
Lead g/l	Max	0.64	M-07.014
Vapor Pressure (Reid) at 37,8° C, bar	Max	0.600	M-07.007
Mercaptan Sulphur, ppm	Max	50.	M-07.022
Sulphur Content, %	Max	0.17	M-07.031
Oxydation stability	Min	240.	M-07.012

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KEROSENE

Characteristics		Value	Norms
Total Acidity, mg KoH/100 cm^3	Max	3.	T-60.112
Appearance	Limpide		Visual
Burning (m/m after 10 Hrs)	Min	15.	SNCF
Corrosion at Copper Strip (3 hrs, 50°C)	Max	1.	M-07.015
Color	Min	21.	M-07.003
Distillation			
50% vol evaporated °C	Max	255	
80% vol evaporated °C	Max	285	
Density at 28°C Kg/l	Max	0.810	T-60-101
Odor		Commercial	
Flash Point	Min	38.	M-07.011
Smoke point	Min	21.	M-07.028
Sulphur content %	Max	0.20	M-07.031

NAPHTHA

Characteristics		Value	Norms
Total acidity Mg/KoH/g	Max	0.1	M-60-112
Aromatics, % Vol	Max	20	M-07.024
Appearance	Limpid & Clear		
Corrosion at copper strip 2 hrs at 100 C	Max	1	M-07.015
Distillation			
10% evaporated °C	Max	204	
50% do-	Max	232	
Final point	Max	288	
Residue, % volume	Max	1.5	
Losses, % volume	Max	1.5	
Doctor Test	Max	Negative	
Actual gum mg/100 cm^3	Max	7	M-07.004
Potential gum mg/100 cm^3	Max	14	M-07.013
Density 28°C Kg/l		0.765-0.820	T-60.101
Crystallization point °C	Max	50	XP-16
Smoke Point, mm	Min	25	M-07.028
Flash Point ABEL, °C	Min	38.66	M-07.011
BTU inf Kcal/Kg	Min	10.200	M-07.030
Sulphur Mercaptan, ppm	Max	10	M-07.022

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